

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0016	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
Sutter Maintenance Yard Maintenance Area 0016	M *	4.09				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Encroachments	0.01		0.01	0.24%	0.28	0.04
Animal Control	0.02		0.02	0.49%		
<i>Interior Drainage & Piping Systems</i>						
Metal Pipes		0.01	0.04	0.98%		
LMA Totals:	0.03	0.01	0.07	1.71% *	0.28	0.04

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0016

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0016

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	4.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	4/19/2011 - 4/19/2011		10/13/2011 - 10/13/2011	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Jason Cooper		Jason Cooper	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Maintenance Area 0016

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Feather River						Right	4.09	10/13/2011 10/13/2011	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	4.07	Earthen Levee	Vegetation	LS	A	Remove the wild growth other than native grasses from the levee slopes.	39.255770 ° -121.636370 °	39.311020 ° -121.637600 °	153 Y
2	0.00	4.07	Earthen Levee	Vegetation	WS	A	Remove the wild growth other than native grasses from the levee slopes.	39.255770 ° -121.636370 °	39.311020 ° -121.637600 °	154 Y
3	0.01	0.01	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.255875 ° -121.636398 °	39.255983 ° -121.636417 °	1 Y
4	0.06	0.10	Earthen Levee	Encroachments	LS	PO	Landscaping	39.256618 ° -121.636442 °	39.257228 ° -121.636462 °	2 Y
5	0.18	0.18	Earthen Levee	Encroachments	LS	PO	Buildings	39.258437 ° -121.636613 °	39.258437 ° -121.636613 °	15 Y
6	0.21	0.25	Earthen Levee	Animal Control	LS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.258785 ° -121.636622 °	39.259330 ° -121.636637 °	3 Y
7	0.39	0.39	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.261403 ° -121.636660 °	39.261403 ° -121.636660 °	5 Y
8	0.45	0.49	Earthen Levee	Encroachments	LS	CO	Buildings	39.262213 ° -121.636545 °	39.262825 ° -121.636430 °	7 Y
9	1.14	1.14	Earthen Levee	Encroachments	WS	M	Material	39.272128 ° -121.633730 °	39.272128 ° -121.633730 °	152 Y
10	2.85	3.08	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.293675 ° -121.636615 °	39.296748 ° -121.638192 °	14 Y
11	3.39	3.39	Interior Drainage & Piping Systems	Metal Pipes	CR	U	Inspector Comments: 131 pipe appears abandoned.	39.301192 ° -121.638346 °	39.301192 ° -121.638346 °	151 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Maintenance Area 0016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	4.09	10/13/2011 10/13/2011	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	4.07
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside vegetation at levee mile 4.07 looking downstream.

cathom_f_20111021_968.jpg



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	4.07
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside vegetation at levee mile 4.07 looking downstream.

cathom_f_20111021_969.jpg



Levee Mile Report Line	3
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Levee mile 0.01, View of squirrel holes along the slope.

cathom_f_20111010_767.jpg



*** Location**

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WS : Water Side
CR : Crown

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Levee Inspection Report By Mile - Fall 2011

Sutter Maintenance Yard Maintenance Area 0016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	4.09	10/13/2011 10/13/2011	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.06
End Levee Mile	0.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 0.10. This photo shows the landscaping on the landside slope and toe.

cathom_f_20111010_768.jpg



Levee Mile Report Line	5
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Levee mile 0.18. This photo shows the building on the landside shoulder and toe.

cathom_f_20111010_774.jpg



Levee Mile Report Line	7
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Levee mile 0.39. View of squirrel hole along the slope.

cathom_f_20111010_770.jpg



*** Location**

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**Flood Control Project Maintenance
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Unit No. 01 Feather River	Right	4.09	10/13/2011 10/13/2011	Clay Thomas

Levee Mile Report Line	8
Start Levee Mile	0.45
End Levee Mile	0.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Levee mile 0.49. This photo shows the building and landscaping on the landside slope and toe.	
cathom_f_20111010_771.jpg	



Levee Mile Report Line	10
Start Levee Mile	2.85
End Levee Mile	3.08
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Land side ditch levee mile 3.08.	
cathom_f_20111010_772.jpg	



Levee Mile Report Line	10
Start Levee Mile	2.85
End Levee Mile	3.08
Location	Land Side
Category	Earthen Levee
Item	Encroachments
AG ditch land side slope and toe.	
cathom_f_20111010_773.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected